

GC-MS ANALYSIS REPORT

Product name: Peppermint Oil

Batch No: BHA150826

Peak	Compound	RT	Area Sum %
1	cis-2-Hexenol	7.113	0.02
2	α -Thujene	8.361	0.03
3	α -Pinene	8.603	0.77
4	Camphene analog	9.417	0.05
5	Sabinene	10.704	0.31
6	β -Pinene	10.75	1.06
7	1-Octen-3-ol	11.289	0.07
8	β -Myrcene	11.893	0.13
9	3-Octanol	12.228	0.2
10	α -Phellandrene	12.475	0.02
11	α -Terpinene	13.28	0.08
12	p-Cymene	13.81	0.06
13	Limonene	14.085	1.31
14	1,8-Cineole	14.185	7.09
15	(Z)- β -Ocimene	15.001	0.06
16	(E)- β -Ocimene	15.693	0.03
17	γ -Terpinene	16.207	0.13
18	trans-Sabinene hydrate	16.752	0.16
19	cis-Linalool oxide	17.278	0.02

20	α -Terpinolene	18.338	0.04
21	cis-Sabinene hydrate	19.091	0.02
22	Linalool	19.545	0.05
23	Amyl isovalerate	19.968	0.01
24	Unknown	20.857	0.03
25	Isopulegol	22.69	0.06
26	Menthone	23.57	23.72
27	Menthofuran + Isomenthone	24.207	4.33
28	Neo-Menthol	24.397	3.27
29	Menthol	25.537	45.59
30	Isomenthol	25.888	0.78
31	Neoisomenthol	26.435	0.11
32	α -Terpineol	26.521	0.58
33	Pulegone	30.309	0.68
34	Carvone	30.814	0.01
35	Piperitone	31.512	0.41
36	neo-Menthyl acetate	33.665	0.06
37	Menthyl acetate	35.323	5.05
38	Isomenthyl acetate	36.195	0.05
39	Bicycloelemenene	38.342	0.07
40	α -Copaene	41.893	0.21
41	β -Bourbonene	42.805	0.04
42	β -Elemene	43.136	0.04
43	β -Caryophyllene	44.551	2.87
44	β -Copaene	45.383	0.06
45	α -Humulene	47.234	0.13

46	Germacrene D	49.379	0.02
47	Bicyclogermacrene	50.786	0.07
48	δ -Cadinene	53.592	0.03
49	Caryophyllene oxide	57.583	0.01
50	Viridiflorol	58.596	0.02
	Total identified		99.97%